



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2009  
Code: 11991489  
SAU: MSAD 05  
School: Rockland District Middle School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores .....	2
Summary of Student Participation .....	3
English Language Arts – Reading Results .....	4-6
Mathematics Results .....	7-9
Science Results .....	10-12

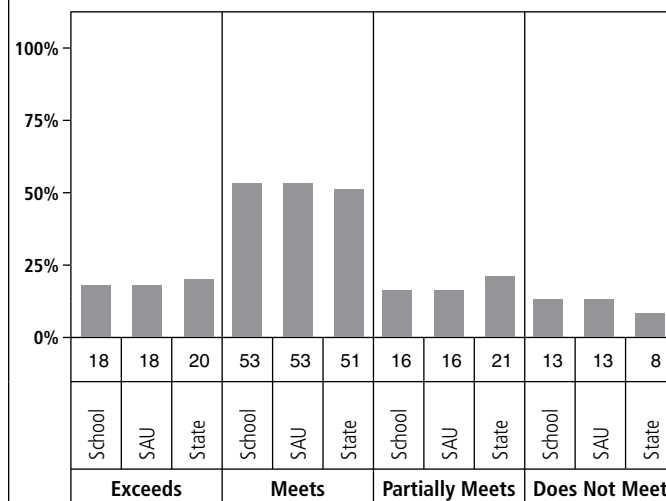
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle School

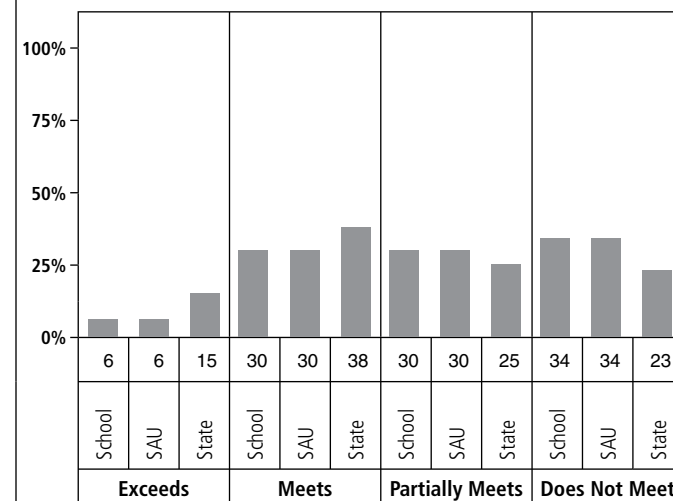
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	847	847	847
2007–2008	845	845	849
<b>2008–2009</b>	<b>848</b>	<b>848</b>	<b>850</b>
Cum. Avg.*	847	847	849
<b>Mathematics</b>			
2006–2007	837	837	842
2007–2008	837	837	841
<b>2008–2009</b>	<b>838</b>	<b>838</b>	<b>843</b>
Cum. Avg.*	837	837	842
<b>Science</b>			
<b>2008–2009 **</b>	<b>841</b>	<b>841</b>	<b>846</b>

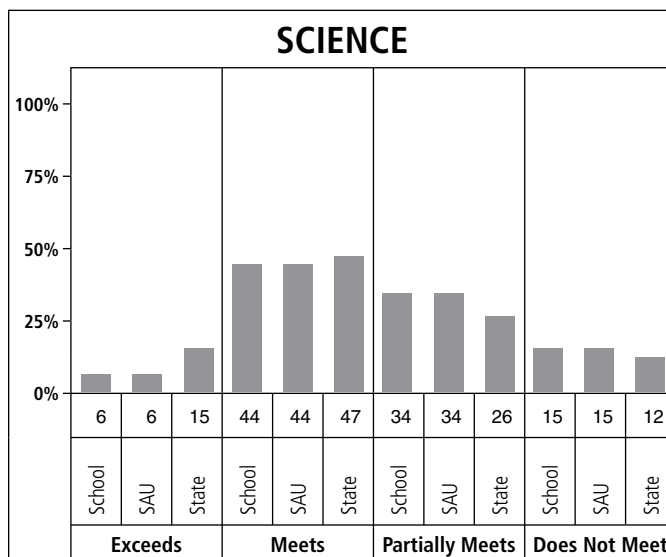
### ELA – READING



### MATHEMATICS



### SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\* Because science standards were reset in May 2009, no historical data are available

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
	n		n		n		n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%		%		%		%	
<b>Total number of students</b>	97	100	99	100	14804	100	97	100	99	100	14659	99	97	100	99	100	14653	99	97	100	99	100	14626	99
<b>Ethnicity</b> African American/Black	2	2	2	2	377	3	2	100	2	100	366	97	2	100	2	100	371	98	2	100	2	100	367	97
American Indian or Native Alaskan	0	0	0	0	119	1	0	0	0	0	117	99	0	0	0	0	115	97	0	0	0	0	116	98
Asian or Pacific Islander	1	1	1	1	238	2	1	100	1	100	232	97	1	100	1	100	234	98	1	100	1	100	234	98
Hispanic	0	0	0	0	192	1	0	0	0	0	188	98	0	0	0	0	191	100	0	0	0	0	190	99
Caucasian/White	94	97	96	97	13878	94	94	100	96	100	13756	99	94	100	96	100	13742	99	94	100	96	100	13719	99
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	15	15	17	17	2489	17	15	100	17	100	2434	99	15	100	17	100	2424	98	15	100	17	100	2418	98
<b>Current LEP</b>	1	1	1	1	349	2	1	100	1	100	331	95	1	100	1	100	342	98	1	100	1	100	338	97
<b>Economically disadvantaged</b>	39	40	40	40	5460	37	39	100	40	100	5380	99	39	100	40	100	5377	99	39	100	40	100	5359	98
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100	0	0	0	0	6	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n		n		n		n		n		n		n		n		n	
	%		%		%		%		%		%		%		%		%	
<b>Participation without accommodations</b>	82	85	82	83	12132	82	82	85	82	83	12124	82	82	85	82	83	12169	82
Identified disability (PET/IEP)	0	0	0	0	379	3	0	0	0	0	380	3	0	0	0	0	425	3
LEP	1	1	1	1	166	1	1	1	1	1	169	1	1	1	1	1	168	1
504 plan	0	0	0	0	200	2	0	0	0	0	200	2	0	0	0	0	202	2
<b>Participation with accommodations</b>	15	15	15	15	2349	16	15	15	15	15	2347	16	15	15	15	15	2288	15
Identified disability (PET/IEP)	15	100	15	100	1877	80	15	100	15	100	1862	79	15	100	15	100	1824	80
LEP	0	0	0	0	158	7	0	0	0	0	167	7	0	0	0	0	165	7
504 plan	0	0	0	0	70	3	0	0	0	0	70	3	0	0	0	0	66	3
Other	0	0	0	0	292	12	0	0	0	0	297	13	0	0	0	0	280	12
<b>Participation through alternate assessment (PAAP)</b>	0	0	2	2	178	1	0	0	2	2	182	1	0	0	2	2	169	1
Identified disability (PET/IEP)	0	0	2	100	178	100	0	0	2	100	182	100	0	0	2	100	169	100
LEP	0	0	0	0	7	4	0	0	0	0	6	3	0	0	0	0	5	3
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	38	0
<b>Non-participation – other</b>	0	0	0	0	113	1	0	0	0	0	117	1	0	0	0	0	140	1

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 862–880)	2006-2007	18	17	18	17	2407	16
	2007-2008	12	10	12	10	3428	23
	<b>2008-2009</b>	<b>17</b>	<b>18</b>	<b>17</b>	<b>18</b>	<b>2857</b>	<b>20</b>
	Cum. Total*	47	15	47	15	8692	19
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 842–860)	2006-2007	48	45	48	45	7494	49
	2007-2008	58	50	58	50	7179	48
	<b>2008-2009</b>	<b>51</b>	<b>53</b>	<b>51</b>	<b>53</b>	<b>7431</b>	<b>51</b>
	Cum. Total*	157	49	157	49	22104	49
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 830–840)	2006-2007	30	28	30	28	3628	24
	2007-2008	31	27	31	27	2706	18
	<b>2008-2009</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>16</b>	<b>2979</b>	<b>21</b>
	Cum. Total*	77	24	77	24	9313	21
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 800–828)	2006-2007	11	10	11	10	1810	12
	2007-2008	15	13	15	13	1611	11
	<b>2008-2009</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>1214</b>	<b>8</b>
	Cum. Total*	39	12	39	12	4635	10

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	56	100	34.2	61.1	34.2	61.1	35.5	63.4
A1/A2 Interconnected Elements/Literary Text	20	36	11.7	58.5	11.7	58.5	12.3	61.5
A1/A3/4 Interconnected Elements/Informational Text/Persuasive Text	36	64	22.4	62.2	22.4	62.2	23.2	64.4

The MEA measures student achievement of the interconnected elements of the reading process based on questions related to literary and informational/persuasive reading passages. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: MSAD 05  
 School: Rockland District Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	97	17	18	51	53	16	16	13	13	848	97	18	53	16	13	848	14481	20	51	21	8	850
<b>Ethnicity</b>																						
African American/Black	2										2						362	8	43	29	20	843
American Indian or Native Alaskan	0										0						116	10	46	26	18	843
Asian or Pacific Islander	1										1						231	28	43	19	10	851
Hispanic	0										0						186	17	48	23	12	847
Caucasian/White	94	17	18	49	52	16	17	12	13	848	94	18	52	17	13	848	13586	20	52	20	8	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	15	0	0	1	7	5	33	9	60	828	15	0	7	33	60	828	2256	2	25	40	34	834
No	82	17	21	50	61	11	13	4	5	852	82	21	61	13	5	852	12225	23	56	17	4	853
<b>Current LEP</b>																						
Yes	1										1						324	5	34	36	26	838
No	96	17	18	50	52	16	17	13	14	848	96	18	52	17	14	848	14157	20	52	20	8	850
<b>Economically disadvantaged</b>																						
Yes	39	3	8	19	49	9	23	8	21	843	39	8	49	23	21	843	5277	10	46	29	15	844
No	58	14	24	32	55	7	12	5	9	851	58	24	55	12	9	851	9204	26	54	16	5	853
<b>Migrant</b>																						
Yes	0										0						5	0	40	60	0	841
No	97	17	18	51	53	16	16	13	13	848	97	18	53	16	13	848	14476	20	51	21	8	850
<b>Gender</b>																						
Female	56	13	23	31	55	7	13	5	9	852	56	23	55	13	9	852	7074	25	51	18	6	852
Male	41	4	10	20	49	9	22	8	20	843	41	10	49	22	20	843	7407	14	51	23	11	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	9	43	35	14	843
No	97	17	18	51	53	16	16	13	13	848	97	18	53	16	13	848	13624	20	52	20	8	850
<b>Gifted/talented program</b>																						
Yes	2										2						700	69	30	1	0	867
No	95	16	17	50	53	16	17	13	14	848	95	17	53	17	14	848	13781	17	52	22	9	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N													
How much homework do you do on school nights?																						
A. none	9	1	11	5	56	0	0	3	33	842	9	11	56	0	33	842	8	8	39	29	24	841
B. less than one hour	63	12	20	34	56	8	13	7	11	850	63	20	56	13	11	850	51	17	53	22	8	849
C. one to two hours	25	4	17	11	46	7	29	2	8	846	25	17	46	29	8	846	36	24	52	18	5	852
D. more than two hours	3	0	0	1	33	1	33	1	33	835	3	0	33	33	33	835	5	29	45	18	9	852
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	27	9	35	12	46	5	19	0	0	855	27	35	46	19	0	855	31	35	50	11	4	856
B. good	57	8	15	33	60	8	15	6	11	848	57	15	60	15	11	848	47	16	55	21	7	849
C. fair	15	0	0	6	40	3	20	6	40	838	15	0	40	20	40	838	18	5	47	33	15	842
D. poor	1	0	0	0	0	0	0	1	100	806	1	0	0	0	100	806	3	2	39	37	22	839
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	25	6	25	14	58	2	8	2	8	854	25	25	58	8	8	854	32	27	54	14	5	853
B. They match some of what I have learned.	52	11	22	28	56	8	16	3	6	850	52	22	56	16	6	850	52	18	53	22	8	850
C. They match just a little of what I have learned.	13	0	0	6	46	2	15	5	38	838	13	0	46	15	38	838	12	11	45	29	15	844
D. There is no match.	10	0	0	3	30	4	40	3	30	834	10	0	30	40	30	834	4	6	34	33	26	838
How difficult was the reading part of this test?																						
A. more difficult than my regular schoolwork	21	3	15	7	35	3	15	7	35	839	21	15	35	15	35	839	15	13	42	28	17	844
B. about the same as my regular schoolwork	54	11	21	31	60	7	13	3	6	852	54	21	60	13	6	852	64	19	53	20	7	850
C. easier than my regular schoolwork	26	3	12	13	52	6	24	3	12	846	26	12	52	24	12	846	22	25	52	16	6	852
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	11	0	0	2	18	3	27	6	55	828	11	0	18	27	55	828	8	6	34	34	26	838
B. Most of the passages were about the same as what I normally read.	46	7	16	27	60	7	16	4	9	850	46	16	60	16	9	850	52	14	54	24	8	848
C. Most of the passages were easier than what I normally read.	42	10	24	22	54	6	15	3	7	851	42	24	54	15	7	851	40	30	53	13	4	855
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	38	5	14	23	62	5	14	4	11	848	38	14	62	14	11	848	39	19	50	22	9	849
B. I tried about the same as I do on my regular schoolwork.	49	12	25	24	50	8	17	4	8	851	49	25	50	17	8	851	54	21	53	19	7	851
C. I did not try as hard on this test as I do on my regular schoolwork.	12	0	0	4	33	3	25	5	42	833	12	0	33	25	42	833	7	12	46	27	15	845
How much time do you spend reading at home each day?																						
A. more than one hour	23	2	9	14	64	4	18	2	9	848	23	9	64	18	9	848	19	26	53	15	6	853
B. 20 minutes to an hour	49	10	21	24	50	9	19	5	10	850	49	21	50	19	10	850	40	25	52	17	6	852
C. less than 20 minutes	16	3	19	9	56	3	19	1	6	848	16	19	56	19	6	848	15	18	51	21	10	849
D. I rarely read at home.	11	2	18	4	36	0	0	5	45	839	11	18	36	0	45	839	26	7	50	30	13	844
How do you feel about the following statement?																						
“My knowledge of reading will be useful to me as an adult.”																						
A. strongly agree	58	12	21	30	54	9	16	5	9	850	58	21	54	16	9	850	42	27	51	15	6	853
B. agree	31	5	17	16	53	2	7	7	23	847	31	17	53	7	23	847	50	15	53	23	9	848
C. disagree	7	0	0	4	57	3	43	0	0	843	7	0	57	43	0	843	7	8	46	32	14	843
D. strongly disagree	4	0	0	1	25	2	50	1	25	830	4	0	25	50	25	830	2	6	39	35	21	840
Optional school/SAU question																						
A.	25	0	0	0	0	1	100	0	0	832	25	0	0	100	0	832						
B.	25	0	0	0	0	1	100	0	0	836	25	0	0	100	0	836						
C.	25	0	0	1	100	0	0	0	0	846	25	0	100	0	0	846						
D.	25	0	0	0	0	0	0	1	100	810	25	0	0	0	100	810						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 862–880)	2006-2007	5	5	5	5	1952	13
	2007-2008	6	5	6	5	1657	11
	<b>2008-2009</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>2116</b>	<b>15</b>
	Cum. Total*	17	5	17	5	5725	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 842–860)	2006-2007	31	29	31	29	5870	38
	2007-2008	41	35	41	35	5956	40
	<b>2008-2009</b>	<b>29</b>	<b>30</b>	<b>29</b>	<b>30</b>	<b>5443</b>	<b>38</b>
	Cum. Total*	101	31	101	31	17269	39
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 830–840)	2006-2007	44	41	44	41	3982	26
	2007-2008	30	26	30	26	3729	25
	<b>2008-2009</b>	<b>29</b>	<b>30</b>	<b>29</b>	<b>30</b>	<b>3556</b>	<b>25</b>
	Cum. Total*	103	32	103	32	11267	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 800–828)	2006-2007	28	26	28	26	3534	23
	2007-2008	39	34	39	34	3579	24
	<b>2008-2009</b>	<b>33</b>	<b>34</b>	<b>33</b>	<b>34</b>	<b>3356</b>	<b>23</b>
	Cum. Total*	100	31	100	31	10469	23

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>56</b>	<b>100</b>	25.3	45.2	25.3	45.2	28.6	51.1
<b>A. Number</b>	<b>8</b>	<b>14</b>	2.9	36.3	2.9	36.3	3.7	46.3
<b>B. Data</b>	<b>16</b>	<b>29</b>	7.9	49.4	7.9	49.4	8.9	55.6
<b>C. Geometry</b>	<b>12</b>	<b>21</b>	4.2	35.0	4.2	35.0	5.0	41.7
<b>D. Algebra</b>	<b>20</b>	<b>36</b>	10.2	51.0	10.2	51.0	10.9	54.5

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 8  
 SAU: MSAD 05  
 School: Rockland District Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	97	6	6	29	30	29	30	33	34	838	97	6	30	30	34	838	14471	15	38	25	23	843
<b>Ethnicity</b>																						
African American/Black	2										2						367	6	24	26	44	831
American Indian or Native Alaskan	0										0						114	5	31	32	32	836
Asian or Pacific Islander	1										1						233	27	33	20	21	847
Hispanic	0										0						190	8	31	26	34	836
Caucasian/White	94	6	6	28	30	29	31	31	33	838	94	6	30	31	33	838	13567	15	38	25	22	843
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	15	0	0	0	0	5	33	10	67	823	15	0	0	33	67	823	2242	2	12	22	63	824
No	82	6	7	29	35	24	29	23	28	840	82	7	35	29	28	840	12229	17	42	25	16	846
<b>Current LEP</b>																						
Yes	1										1						336	6	18	26	51	829
No	96	6	6	29	30	29	30	32	33	838	96	6	30	30	33	838	14135	15	38	25	23	843
<b>Economically disadvantaged</b>																						
Yes	39	1	3	5	13	16	41	17	44	832	39	3	13	41	44	832	5270	6	30	28	36	835
No	58	5	9	24	41	13	22	16	28	841	58	9	41	22	28	841	9201	20	42	22	16	847
<b>Migrant</b>																						
Yes	0										0						5	0	0	40	60	828
No	97	6	6	29	30	29	30	33	34	838	97	6	30	30	34	838	14466	15	38	25	23	843
<b>Gender</b>																						
Female	56	4	7	19	34	19	34	14	25	840	56	7	34	34	25	840	7070	15	39	25	22	843
Male	41	2	5	10	24	10	24	19	46	835	41	5	24	24	46	835	7401	14	36	25	25	842
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						857	5	25	33	37	835
No	97	6	6	29	30	29	30	33	34	838	97	6	30	30	34	838	13614	15	38	24	22	843
<b>Gifted/talented program</b>																						
Yes	2										2						700	68	27	3	1	866
No	95	5	5	28	29	29	31	33	35	837	95	5	29	31	35	837	13771	12	38	26	24	841

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	9 63 25 3	0 4 2 0	0 7 8 0	2 22 5 0	22 36 21 0	4 17 7 1	44 28 29 33	3 18 10 2	33 30 42 67	839 839 836 823	9 63 25 3	0 7 8 0	22 36 21 0	44 28 29 33	33 30 42 67	839 839 836 823	8 51 36 5	8 12 19 19	24 38 40 36	24 26 23 22	44 23 19 23	833 842 845 844
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b> A. very good B. good C. fair D. poor	22 48 23 7	5 1 0 0	24 2 0 0	10 16 3 0	48 35 14 0	3 14 9 3	14 30 41 43	3 15 10 4	14 33 45 57	851 836 832 828	22 48 23 7	24 2 0 0	48 35 14 0	14 30 41 43	14 33 45 57	851 836 832 828	28 45 21 5	33 11 3 2	41 43 27 14	15 25 35 30	11 21 35 54	852 842 834 828
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b> A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	23 48 24 5	4 2 0 0	18 4 0 0	7 18 4 0	32 38 17 0	7 11 11 0	32 23 48 0	4 16 8 5	18 34 35 100	845 838 833 825	23 48 24 5	18 4 0 0	32 38 17 0	32 23 48 0	18 34 35 100	845 838 833 825	28 52 16 4	23 13 8 5	41 40 28 15	21 25 30 22	15 21 34 58	848 843 836 826
<b>How difficult was the mathematics part of this test?</b> A. more difficult than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	55 41 4	1 4 1	2 10 25	11 17 1	21 43 25	20 8 1	38 20 25	21 11 1	40 28 25	834 841 848	55 41 4	2 10 25	21 43 25	38 20 25	40 28 25	834 841 848	32 52 16	6 13 39	34 41 35	29 25 13	32 20 13	837 843 853
<b>How hard did you try on the mathematics part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	52 36 11	2 3 1	4 9 9	16 13 0	32 37 0	14 12 3	28 34 27	18 7 7	36 20 64	837 841 833	52 36 11	4 9 9	32 37 0	28 34 27	36 20 64	837 841 833	42 52 7	12 17 12	38 39 27	26 23 27	25 20 35	841 845 837
<b>How often do you use calculators in mathematics class?</b> A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	10 39 36 14	0 4 2 0	0 11 6 0	0 11 17 1	0 29 49 7	5 10 10 4	50 26 29 29	5 13 6 9	50 34 17 64	827 839 843 828	10 39 36 14	0 11 6 0	0 29 49 7	50 26 29 29	50 34 17 64	827 839 843 828	34 35 18 13	18 14 12 9	40 38 37 32	22 26 27 25	20 21 24 34	845 843 841 837
<b>How often do you use laptops in mathematics class?</b> A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	13 35 36 16	0 3 2 1	0 9 6 7	1 8 13 6	8 24 37 40	3 12 12 2	25 35 34 13	8 11 8 6	67 32 23 40	828 837 841 839	13 35 36 16	0 9 6 7	8 24 37 40	25 35 34 13	67 32 23 40	828 837 841 839	9 17 28 46	13 11 15 16	38 37 40 36	23 26 25 24	26 26 20 23	841 841 844 843
<b>How do you feel about the following statement?</b> <b>“My knowledge of mathematics will be useful to me as an adult.”</b> A. strongly agree B. agree C. disagree D. strongly disagree	59 31 8 2	5 1 0 0	9 3 0 0	19 8 2 0	33 27 25 0	17 11 1 0	30 37 13 0	16 10 5 2	28 33 63 100	840 835 831 823	59 31 8 2	9 3 0 0	33 27 25 0	30 37 13 0	28 33 63 100	840 835 831 823	52 39 6 3	19 11 7 4	41 35 28 25	22 27 26 28	18 27 39 43	846 840 835 832
<b>Optional school/SAU question</b> A. B. C. D.	25 25 25 25	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 1	0 0 0 100	1 1 1 0	100 100 100 0	818 824 818 830	25 25 25 25	0 0 0 0	0 0 0 0	0 0 0 100	100 100 100 0	818 824 818 830						

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 862–880)	2008-2009*	6	6	6	6	2155	15
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 842–860)	2008-2009*	43	44	43	44	6687	47
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 828–840)	2008-2009*	33	34	33	34	3672	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 800–826)	2008-2009*	15	15	15	15	1749	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	56	100	28.9	51.6	28.9	51.6	32.0	57.1
<b>D. The Physical Setting</b>	31	55	15.4	49.7	15.4	49.7	17.1	55.2
<b>D1/D2 Earth/Space</b>	17	30	8.9	52.4	8.9	52.4	9.4	55.3
<b>D3/D4 Matter and Energy/Force and Motion</b>	14	25	6.5	46.4	6.5	46.4	7.7	55.0
<b>E. The Living Environment</b>	25	45	13.5	54.0	13.5	54.0	14.9	59.6

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	97	6	6	43	44	33	34	15	15	841	97	6	44	34	15	841	14263	15	47	26	12	846
<b>Ethnicity</b>																						
African American/Black	2										2						360	4	31	35	30	835
American Indian or Native Alaskan	0										0						114	8	39	31	22	839
Asian or Pacific Islander	1										1						230	20	44	23	13	848
Hispanic	0										0						184	9	45	29	16	842
Caucasian/White	94	6	6	42	45	32	34	14	15	841	94	6	45	34	15	841	13375	15	47	25	12	846
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	15	0	0	0	0	5	33	10	67	824	15	0	0	33	67	824	2221	3	22	36	38	832
No	82	6	7	43	52	28	34	5	6	844	82	7	52	34	6	844	12042	17	51	24	7	848
<b>Current LEP</b>																						
Yes	1										1						331	4	20	39	37	832
No	96	6	6	43	45	32	33	15	16	841	96	6	45	33	16	841	13932	15	48	25	12	846
<b>Economically disadvantaged</b>																						
Yes	39	1	3	15	38	15	38	8	21	837	39	3	38	38	21	837	5184	6	40	33	21	840
No	58	5	9	28	48	18	31	7	12	844	58	9	48	31	12	844	9079	20	51	21	8	849
<b>Migrant</b>																						
Yes	0										0						5	0	0	80	20	829
No	97	6	6	43	44	33	34	15	15	841	97	6	44	34	15	841	14258	15	47	26	12	846
<b>Gender</b>																						
Female	56	4	7	29	52	18	32	5	9	844	56	7	52	32	9	844	6953	14	47	28	11	846
Male	41	2	5	14	34	15	37	10	24	838	41	5	34	37	24	838	7310	16	46	24	13	846
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						828	5	35	40	20	839
No	97	6	6	43	44	33	34	15	15	841	97	6	44	34	15	841	13435	16	48	25	12	846
<b>Gifted/talented program</b>																						
Yes	2										2						699	65	34	2	0	865
No	95	5	5	42	44	33	35	15	16	841	95	5	44	35	16	841	13564	13	48	27	13	845

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	9	0	0	5	56	2	22	2	22	840	9	0	56	22	22	840	8	8	34	28	30	837
B. less than one hour	63	3	5	30	49	23	38	5	8	842	63	5	49	38	8	842	51	14	48	27	11	846
C. one to two hours	25	3	13	8	33	8	33	5	21	841	25	13	33	33	21	841	36	19	48	24	9	848
D. more than two hours	3	0	0	0	0	0	0	3	100	821	3	0	0	0	100	821	5	17	49	20	14	847
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	23	1	5	7	32	8	36	6	27	838	23	5	32	36	27	838	23	27	47	17	8	851
B. good	51	4	8	27	55	12	24	6	12	843	51	8	55	24	12	843	53	15	50	26	10	847
C. fair	23	1	5	9	41	11	50	1	5	842	23	5	41	50	5	842	20	4	43	35	18	840
D. poor	4	0	0	0	0	2	50	2	50	826	4	0	0	50	50	826	4	4	27	34	35	834
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	23	2	9	9	41	6	27	5	23	843	23	9	41	27	23	843	26	20	49	23	9	849
B. They match some of what I have learned.	43	2	5	15	37	18	44	6	15	839	43	5	37	44	15	839	51	14	48	26	11	846
C. They match just a little of what I have learned.	30	2	7	18	62	8	28	1	3	845	30	7	62	28	3	845	18	13	44	28	15	844
D. There is no match.	4	0	0	1	25	0	0	3	75	826	4	0	25	0	75	826	4	5	33	30	32	836
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	46	5	11	20	45	12	27	7	16	842	46	11	45	27	16	842	32	13	45	28	14	844
B. about the same as my regular schoolwork	47	1	2	21	47	17	38	6	13	841	47	2	47	38	13	841	56	15	49	25	11	847
C. easier than my regular schoolwork	7	0	0	2	29	3	43	2	29	835	7	0	29	43	29	835	11	21	43	22	13	847
<b>How hard did you try on the science part of this test?</b>																						
A. I tried harder on this test than I do on my regular schoolwork.	48	3	7	24	55	11	25	6	14	842	48	7	55	25	14	842	39	14	47	27	12	845
B. I tried about the same as I do on my regular schoolwork.	43	3	8	14	35	18	45	5	13	841	43	8	35	45	13	841	55	17	48	25	10	847
C. I did not try as hard on this test as I do on my regular schoolwork.	9	0	0	3	38	3	38	2	25	837	9	0	38	38	25	837	6	8	36	29	26	839
<b>Which courses do you plan to take before you graduate from high school?</b>																						
A. earth and space science and/or biology	21	0	0	7	35	8	40	5	25	837	21	0	35	40	25	837	26	9	48	29	14	844
B. the course(s) described in A, plus chemistry	27	2	8	11	42	8	31	5	19	841	27	8	42	31	19	841	23	17	49	22	12	847
C. the course(s) described in B, plus physics	9	1	11	7	78	1	11	0	0	851	9	11	78	11	0	851	21	31	44	17	7	852
D. a life science and physical science class	42	2	5	18	45	15	38	5	13	841	42	5	45	38	13	841	30	7	46	32	14	842
<b>How well does the following statement reflect your future goals? "I am interested in a career related to science, technology, engineering, or mathematics."</b>																						
A. strongly agree	26	2	8	12	48	6	24	5	20	842	26	8	48	24	20	842	27	23	47	20	10	849
B. agree	39	2	5	16	42	15	39	5	13	841	39	5	42	39	13	841	37	14	47	27	12	846
C. disagree	25	2	8	12	50	7	29	3	13	843	25	8	50	29	13	843	25	11	48	29	12	845
D. strongly disagree	10	0	0	3	30	5	50	2	20	833	10	0	30	50	20	833	11	9	44	31	17	842
<b>How do you feel about the following statement? "My knowledge of science will be useful to me as an adult."</b>																						
A. strongly agree	31	3	10	12	40	9	30	6	20	841	31	10	40	30	20	841	31	22	46	22	10	849
B. agree	49	2	4	26	54	17	35	3	6	844	49	4	54	35	6	844	50	14	49	26	11	846
C. disagree	18	1	6	5	29	6	35	5	29	836	18	6	29	35	29	836	14	9	45	31	15	843
D. strongly disagree	2	0	0	0	0	1	50	1	50	822	2	0	0	50	50	822	5	3	38	34	25	837
<b>Optional school/SAU question</b>																						
A.	25	0	0	0	0	0	0	1	100	824	25	0	0	0	100	824						
B.	25	0	0	0	0	1	100	0	0	828	25	0	0	100	0	828						
C.	25	0	0	0	0	0	0	1	100	820	25	0	0	0	100	820						
D.	25	0	0	0	0	0	0	1	100	826	25	0	0	0	100	826						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number